CHEVRON RESOURCES

Property Diamond Sec. MH-13 T 8 R 4 State Maine Drill Hole No. MH-13-1 Sheet 1 of 5

Scale 1" = 10' Coord. N 0 E 9 Bearing West Dip 50° Collar Elev _____ Line 0N, 9E

Logged by J. Immett May 12, 1987

Depth	Rock Type & Structures	Mineralization and Alteration	Hole Depth	% Rec.	Interval	Rec. ftg.	Number	SAMPLE	ASSAY
0	Overburden (OB)								
10									
12	(V-GS) - fine to medium-grained equigranular greenstone. Moderately magnetic. Plag. phenos. are somewhat highlighted. Olive green.	trace to 1% disseminated po. Weak chlorite ± sericite alteration of mafics. Weak sericite alteration of plag.							
20									
30		80 27.5' - 1/2" calcite "gash" veinlet.							
40									
50	minor chaotic flow banding.	75 52.5' - 1" band of calcite-chlorite with po ± cp.							
60	65-84' Rock is slightly finer-grained.	45 57.2' - 1" band of quartz-calcite.							
70									
80	84.5-87 - Broken zone. Deep oxidation with clay-limonite on fractures.	93-107' - 1% diss. and veinlet po.							
90		94.2' - 3" band of quartz-calcite-chlorite.							
100		70 99-99.3' - anastomosing chlorite-po veinlets							

CHEVRON RESOURCES

Property Diamond Sec. ____ T 8 R 4 State Maine Drill Hole No. MH-13-1 Sheet 3 of 5

Scale 1" = 10' Coord. N 0 E 9 Bearing West Dip 41.5° Collar Elev ____

Logged by J. Summitt

Depth	Rock Type & Structures	Mineralization and Alteration	Hole Depth	% Rec.	Interval	Rec. ftg.	Number	Cu	Pb	Zn	Au	Ag
200	(V-AT)											
210		209.75-210.25 - shale clasts with 15% po ± py										
220		* note change from po to py in sulfide mineralogy										
230	gradational contact							58	<2	95		
231.25	(S-SL) - Black to grey tuffaceous graphitic slate	231.25-242 - 3-5% pyrite in slate as fine lamellae and lapilli						235	50	690		
								142	18	207		
		3.5? 238.5' - 3/4" bedded py ± po. massive						204	96	720		
240												
242	(V-AT) - grey ash tuff with strong shale component	weak bleaching of tuff. 1-10% py as fine disseminations and lamellae						208	26	520		
		6.0 237.6' Poorly banded pyrite with some lapilli in black shale						51	7	130		
247.6'	(M-S)							231	62	550	0.11	0.7
248.6'	(V-AT) Black-grey ash tuff with strong shale component. Auto-brecciated and/or reworked.											
250		238.6-264.7' - Bleaching of tuff. Rock has 1-10% sulfides as lamellae, disseminations and wisps. Py ± po at top, po ± py at bottom. Po tends to be coarser grained and recrystallized + remobilized in veinlets, py to lesser extent. Traces cp. Cu=0.1%						46	<2	123		
								68	7	131		
								166	55	245		
								78	5	101		
260								163	52	220		
								71	<2	126		
264.7'	(M.S.) - poorly to moderately banded with shale component	5.5 264.7-266.75 - pyrite - extremely fine grained. Some recrystallized + remobilized wisps with trace po.						346	76	1200	0.15	0.6
266.75	(V-AT) - grey ash tuff with strong shale component. Rock is partially reworked and autobrecciated. Slump deposition?											
270								65	<2	290		
272.25	(MS) - contorted bedding	272.25-274 - pyrite - massive + semi-massive fine + medium grained bands. recrystallized veinlets. 274-278 - recrystallized calcite. 278-288' 3-10% - po ± py as fine lamellae. Trace cp. Delicate banding with soft-sediment deformation.										
273.5	(MSS) - mixed with black shale											
274	(V-AT) same as @ 266.75'							296	102	760	0.17	0.4
								74	15	89		
278	(S-SL) Black to dark grey tuffaceous slate. Banded.							188	60	400		
280								185	50	320		
								133	32	201		
288	(V-AT) - Dark grey ash tuff massive to poorly bedded with strong black shale component	288' 36'-1% diss. py.						89	6	123		
290								58	7	112		
300	(V-AT) - Dark grey ash tuff.							76	2	90		

*275' acid survey 41.5° corrected

analyze 228 8"-32.5'

CHEVRON RESOURCES

Property Diamond Sec. ____ T 8 R 4 State Maine Drill Hole No. MH-13-1 Sheet 4 of 5

Scale 1" = 10' Coord. N 0 E 9 Bearing West Dip ____ Collar Elev ____

Logged by J. Annitell May 13, 1987

Rock Type & Structures	Mineralization and Alteration	Hole Depth	% Rec.	Sample Interval	Sample Rec. ftg.	Sample Number	Cu	Pb	Zn
300 (V-AT)							76	2	90
306.5 (MS)	306.5-306.9 - Delicately laminated fine-grained spot py. with graphitic shale remobilized calcite veinlets in slate.						56	<2	97
306.9 (S-SL) - Black graphitic poorly bedded slate.							168	48	480
310	3-15% very fine py. by defines bedding.								
314 (MS-MSS) + shale	314-315.5 - massive to semi-massive py + shale (graphitic)						243	52	650
315.5 (S-SL) - graphitic black slate									
317 (V-AXLT) Beige to green-grey ash crystal-lapilli tuff. Weakly bedded. Subhedral broken quartz phenos. (<3mm) at 327'	315.5-317 - 5-10% finely diss py + coarser porphyroblasts. Recrystallized calcite.						45	<2	79
320 @325.3-326 - graded bedded lapilli bed.	317'↓ - very fine-grained pervasive sericite? alteration or magmatic alteration of original ash. Diss. py ± po (1%) throughout footwall.						52	<2	72
328-330 - Coarse lapilli-bed.									
330 (<12mm) - matrix supported									
332 (V-AXLT) same as above with minor dark grey mud component as clasts and in matrix.									
338.5 (V-LT) - grey-green lapilli tuff with ash matrix and ash interbeds. Subangular lapilli up to (15mm). Some are chloritic others are siliceous matrix supported. Distinctive.									
340									
350									
359.5									
360 (I-MD) - weakly magnetic aphanitic mafic like, dark grey green.	Gradual increase in chloritic alteration along with sericite?								
(V-LT) - same as above at 340' except most lapilli are of two types 1) dominant one is milky siliceous 2) other is light green sericite - quartz. More matrix, less lapilli than at 340'. Grey-green									
370									
377 (I-MD) - same as at 360' with crosscutting quartz veins									
379.75									
380 (V-LT) same as above at 370'									
389 (I-MD) same as 360'									
390									
390.8 (V-LT) same as at 370'									
400									

CHEVRON RESOURCES

Property Diamond Sec. ____ T 8 R 4 State Maine Drill Hole No. MH-13-1 Sheet 5 of 5

Scale 1" = 10' Coord. N 0 E 9 Bearing West Dip ? 29°(?) Collar Elev. ____

Logged by J. Immitt 5-87

Rock Type & Structures	Mineralization and Alteration	Hole Depth	% Rec.	Interval	Rec. ftg.	Sample Number	Assay
400 (V-LT) same							
(I-MD) - same							
410 (V-LT) same	413.5 milky-white quartz vein-anast-amosing (1")						
416 (I-MD) same							
417.5 (V-LT) - less white lapilli							
419 (I-MD) same							
420 (V-LT) same							
426.8 (I-MD) same							
428 (V-LT) same							
430							
137 (I-MD) same							
(V-LT) same							
440							
445.75 (I-MD)							
446.1 (V-LT)							
450							
450.8 (I-MD)							
451 (V-LT)							
454 (I-MD)							
457.7 (V-LT)	40						
459.5	459.5 ↓						
460 (V-AT) - phenocrystic fine-grained equigranular ash tuff(?). Rock sometimes has a banded texture with compressed ash fragments(?) other times has an equigranular igneous intrusive texture with tiny mafic + plag. phenos(?). Contains 1% of lapilli-sized white siliceous fragments similar to those in lapilli tuff at 370'. Rock is similar to mafic dikes. Perhaps mafic dikes are something else? ~~See thin sections~~ Grey-	1% disseminated and wispy po in ash tuff(?)						
470							
480							
490							
500							
505 Bottom							

* acid survey @ 495' = 29° corrected

CHEVRON RESOURCES

Property Diamond Sec. ____ T 8 R 4 State Maine Drill Hole No. MH-13-2 Sheet 1 of 5

Scale 1" = 10' Coord. N 4S E 10E Bearing S85W Dip 55° Collar Elev ____ Line 4S, 10E

Logged by J. Smith May 19, 1987

Rock Type & Structures	Mineralization and Alteration	Hole Depth	% Rec.	Interval	Rec. ftg.	Number	SAMPLE	ASSAY
Overburden (OB)								
V-AT - Banded grey + black ash tuff with bands of black conductive organic mudstone	1% diss. pyrite in tuff.							
75-80' - gradational contact - banded tuff gives way to massive greenstone	66-68' - mudstone dominated layer contains 10% diss. and finely laminated pyrite.							
V-GS - aphanitic to fine-grained massive greenstone (intermediate flow). Grey. Weakly magnetic.	mafics are altered to black chlorite. abundant calcite blotches give spotty appearance in some zones. numerous anastamosing quartz-calcite veinlets. Rock contains 1% diss. po. 92.5 - 1" quartz-calcite veinlet.							

0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

35

15

CHEVRON RESOURCES

Property Diamond Sec. ____ T 8 R 4 State Maine Drill Hole No. MH-13-2 Sheet 2 of 5

Scale 1" = 10' Coord. N 45 E 10 Bearing 585W Dip 55° Collar Elev ____

Logged by J. Dunnitt May 19, 1987

Depth	Rock Type & Structures	Mineralization and Alteration	Hole Depth	% Rec.	Interval	Rec. ftg.	Number	SAMPLE	ASSAY
100	(V-GS)	105' - 1/2" quartz-calcite veinlet							
	109-116' - Chaotic partial brecciation with calcite-quartz filling. Flow-top breccia (?)								
110									
120	123-133' - Rock is lighter grey, fresher and slightly coarser-grained with plag. + mafic phenocrysts more observable. Equigranular texture.	Calcite appears to have been reconcentrated locally into streaks and veinlets							
130									
140									
	148-154.5 - Flow-top breccia.	abundant calcite quartz veinlets and filling.							
150									
154.5	(V-AT) green laminated ash tuff with some lapilli (8 mm) intermediate composition (similar to greenstone)	lapilli are altered to calcite. Abundant py + po at upper contact of tuff.							
156.9	(V-GS) same as above at 140'.								
160	156.9-173 - Flow-top (?) autobreccia.	156.9-173' Quartz-calcite filling + veinlets in breccia. Rock contains 2-3% diss. + fracture-filling po.							
170									
180	183-223 - auto-brecciation (partial) with chaotic sporadic banding.	183-223' - Calcite is reconcentrated in veinlets + wisps. Quartz-calcite veinlets present. Rock contains 1-3% diss. po ± py. Sulfides are more abundant where brecciation is strongest and calcite is abundant. Chlorite alteration is a bit more pervasive.							
190									
200									

CHEVRON RESOURCES

Property Diamond Sec. ____ T 8 R 4 State Maine Drill Hole No. MH-13-2 Sheet 3 of 5

Scale 1" = 10' Coord. N 4S E 10 Bearing S85W Dip 49° Collar Elev. ____

Logged by J. Smith May 19, 1987

Rock Type & Structures	Mineralization and Alteration	Hole Depth	% Rec.	Interval	Rec. ftg.	Number	SAMPLE	ASSAY
200 (V-GS)	199.75-200.1 - 5% po + py in breccia with black chlorite + calcite.							
210	201.25-201.75 - 5% po ± py in chloritic breccia and along fracture with black chlorite.							
220	220.2-220.6' - Bleb + 1/2" band of ±20% po ± py ± cp. Cu ≤ 0.1%.							
230 232-233' - broken zone - Fault? 233-235 - no recovery. 235-258 - partial autobrecciation	232-233' abundant black chlorite in structure. 235-258' - abundant quartz-chlorite blobs and veinlets.							
240 244' - thin 1/4" black organic slate bands	40 Diss. py ± po and in fractures. 10% py in slate bands.							
250								
258.1 (V-AT) fine grey ash tuff - banded - some black mud	35 1% diss py ± po in tuff							
258.2 (S-SL) - 1" of black organic slate	5-10% diss py + po in slate							
260 (V-GS) Grey-green massive fine grained equigranular greenstone. Plag. + mafics. Weakly magnetic minor autobrecciation	260'↓ - White highlighted plag. could be albitized (?) 262-283 - Subrounded blobs (<10mm) of calcite rimmed by po ± py. Vesicle fillings (?) Weak pervasive chlorite alteration of rock. Rock contains ≈1% diss. po ± py. Sporadic blotches + veinlets of calcite quartz chlorite in brecciated zones.							
270	5							
280								
290	276' - anastamozing chlorite veinlet (1/2")							
300								

acid survey at 275' = 49°

CHEVRON RESOURCES

Property Diamond Sec. ____ T 8 R 4 State Maine Drill Hole No. MH-13-2 Sheet 4 of 5

Scale 1" = 10' Coord. N 4S E 10 Bearing S85W Dip 49° Collar Elev ____

Logged by J. Summitt May 20, 1987

Depth	Rock Type & Structures	Mineralization and Alteration	Hole Depth	% Rec.	Interval	Rec. ftg.	Number	Cu	Pb	Zn	Ag	Au
300	(V-GS) at 300' greenstone gradually contains more and more organic mud component.	as mud component increases so does po ± py content from 1 to ±10%.										
309.75		309'- 4" quartz-calcite veinlet						43	<2	102		
310	(S-SL) - black + grey tuffaceous organic slate. Banded-conductive	307.75-311.9 - slate contains 10-50% diss. + finely laminated po. soft-sed. deformation. Trace cp						170	36	290	0.3	0.032
311.9	(V-AT) - grey + black banded ash tuff with organic slate bands. soft-sed. deformation	310.5-311.9 - semi-massive finely laminated sulfide						62	3	104	0.2	0.006
314.5	(S-SL) same as at 310'	311.9-314.5 - 3-10% po diss. + laminated. more abundant in slate bands. Trace cp						214	43	830	2.0	0.319
315	(V-ALT) - grey and black ash lapilli tuff with moderate black organic slate component. Coarsens downward.	314.5-315 - same as at 310'						187	45	460	1.4	0.047
320	(MS) Banded py - fine grained with grey ash tuff + black slate	315-319.25 - ash lapilli tuff contains 5-20% diss., wisps + lamellae of po + py. Increases downward.						170	36	143		
320.25	(S-SL) Black graphitic banded slate. soft-sed. deformation. Minor tuffaceous component	320.25-322.5 - banded massive py ± po. Some recrystallized + remobilized py in veinlets and laminae. Calcite with tuff bands.						175	30	131		
322.5	(MS) - Banded py - fine grained	322.5-325.5 - 5% finely laminated po + py. Calcite bands + veinlets.						105	<2	71		
325.5	(S-SL) Black graphitic bedded slate. soft-sed. deformation. Tuffaceous at base	325.5-325.75 - Banded py. 325.75-329.75 - 5% wisps and laminae of po ± py. Trace cp.						72	<2	54		
325.75	gradational contact	329.75-346 - weak chlorite-sericite alt. 5-10% po ± py in slate-rich zones of tuff. Sulfides occur as wisps, laminae + clasts. Trace cp.						65	<2	65		
329.75	(V-AT) - fine grey-green ash tuff with some graphitic slate dominated zones. Some reworking results in breccias with clasts of tuff in mud matrix.	346-358.4 → 0-10% py ± po as clasts, diss. and laminae in slate bands. Pervasive moderate chlorite sericite alteration						74	<2	75		
330	339'↓ tuff is coarser-grained							71	<2	58		
340	gradational contact							72	<2	80		
346	(V-AT) light grey-green (black) ash tuff. slightly coarser grained. Rock is slightly disturbed (slumps movement) with a rubble texture and abundant black mud as matrix to fragments, bands and wisps. Some reworking evidenced by rounded clasts of black slate.	368.5-370.3 - Black slate bands contain 5-15% finely laminated po ± py;						81	<2	69		
350		370.3-383 - minor black chlorite alteration										
358.4	(V-AT) - same as above but lacking black slate. not reworked - massive to poorly bedded at base. Rare lapilli (10 mm) Grey in color											
360												
368.5	(V-AT) - same as above with black slate bands.											
370	(V-AT) - fine grained - grey ash tuff (?) Could be greenstone. very similar to rock in hanging wall at 280'. also similar to dikes and rock at bottom of MH-13-1. massive.											
370.3												
380	388-407.25 - minor thin organic black slate bands in tuff.											
390	From 390'↓ rock continues to be dominantly massive but displays sporadic bedding. Looks more like a tuff. Rock gets progressively lighter colored. Rock also displays some auto-brecciation or slumps reworking (?).	395.8↓ - moderate sericite alteration gives beige color										
400												

analyze 305-309.75
309.75-315
315-320.25
320.25-322.5 (saw)
322.5-330
330-375 (5' samples)

CHEVRON RESOURCES

Property Diamond Sec. ____ T 8 R 4 State Maine Drill Hole No. MH-13-2 Sheet 5 of 5

Scale 1" = 10' Coord. N 45 E 10 Bearing ____ Dip ____ Collar Elev ____

Logged by J. Dunnett May 20, 1987

Rock Type & Structures	Mineralization and Alteration	Hole Depth	% Rec.	Interval	Rec. ftg.	Number	Cu	Pb	Zn
400 (V-AT) 402.75-407.25 - slate component more abundant, tuff is slightly coarse with some lapilli	403-408' 3% py as clots + diss. in tuff. 15% py as lenticular + veinlets in slate bands								
406.1 406.5 407.1 407.2 (S-3) black organic tuff above slate (V-AT) tuffaceous slate (S-3) same as above slate							66	42	67
410 (V-AT) Beige massive to partially brecciated (slump?) ash tuff. Fine-grained at times plag microlites are visible.	409.2' ↓ Pervasive sericite alteration (?) gives beige color. Thin black chlorite occurs as irregular masses and veinlets. Quartz calcite veinlets are common								
420 424' - Rock is harder and changes color to a gray-purple.	424' - Beige color disappears as does sericite alteration. Rock is harder.								
430	425' - anastomosing veinlet (or layer) of black chlorite (organic matter?) with reaction rim on ash tuff at contact and around fragment within veinlet (≈1mm wide)								
440	426.5 - Same as at 425 only thinner veinlet (1/4mm) anastomosing black chlorite veinlets are quite common in this unit. Tuff usually has a bleached reaction rim at contact.								
450	450.5 - 460.5 - Rock is cut and broken by several calcite-quartz veinlets. Some silicification of veinlet envelopes. Some quartz is pink.								
460	467-469 - Rock is cut by several black chlorite veinlets. Rock breaks along veinlets.								
470	469 - quartz-calcite veinlet + breccia								
480	Rock appears to be affected by potassic alteration and silicification along veinlets of quartz + calcite. alteration also highlights grains (plag-microlites?) in tuff giving spotted texture								
485 Bottom									
490									
500									

analyze 403-408

* acid test at 475' = 47°